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TECH CENTER 1600/2905

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/813,345 B

Source:

1600

Date Processed by STIC:

9-25-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>09/8/3, 345 B</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional , please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa , and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <u>X</u> _____ Use of <220>	Sequence(s) <u>1-17</u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." <u>Please explain source of genetic material in <220> to <223> section.</u> (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	

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TECH CENTER 1600/2500

1600

RAW SEQUENCE LISTING

DATE: 09/25/2003

PATENT APPLICATION: US/09/813,345B

TIME: 14:13:04

Input Set : A:\180.00020102.second.sub seq list.ST25.txt

Output Set: N:\CRF4\09252003\I813345B.raw

3 <110> APPLICANT: CREIGHTON UNIVERSITY
 4 SMITH, Derek D.
 5 SAHA, Shankar
 6 ABEL, Peter W.
 8 <120> TITLE OF INVENTION: PEPTIDE ANTAGONISTS OF CGRP-RECEPTOR SUPERFAMILY AND METHODS

OF

9 USE
 11 <130> FILE REFERENCE: 180.00020102
 13 <140> CURRENT APPLICATION NUMBER: 09/813,345B
 14 <141> CURRENT FILING DATE: 2001-03-20
 16 <150> PRIOR APPLICATION NUMBER: 09/070,504
 17 <151> PRIOR FILING DATE: 1998-04-30
 19 <160> NUMBER OF SEQ ID NOS: 23
 21 <170> SOFTWARE: PatentIn version 3.2
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 30
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: peptide
 31 <400> SEQUENCE: 1
 33 Val Thr His Arg Leu Ala Gly Leu Leu Ser Arg Ser Gly Gly Met Val
 34 1 5 10 15
 37 Lys Ser Asn Phe Val Pro Thr Asn Val Gly Ser Lys Ala Phe
 38 20 25 30

Does Not Comply
Corrected Diskette Needed

41 <210> SEQ ID NO: 2
 42 <211> LENGTH: 30
 43 <212> TYPE: PRT
 44 <213> ORGANISM: Artificial Sequence
 46 <220> FEATURE:
 47 <223> OTHER INFORMATION: peptide
 49 <400> SEQUENCE: 2
 51 Val Thr His Arg Leu Ala Gly Leu Leu Ser Arg Ser Gly Gly Val Val
 52 1 5 10 15
 55 Lys Asn Asn Phe Val Pro Thr Asn Val Gly Ser Lys Ala Phe
 56 20 25 30
 59 <210> SEQ ID NO: 3
 60 <211> LENGTH: 37
 61 <212> TYPE: PRT
 62 <213> ORGANISM: Artificial Sequence
 64 <220> FEATURE:
 65 <223> OTHER INFORMATION: peptide
 67 <400> SEQUENCE: 3
 69 Ala Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu

Insufficient explanation, give source of genetic material see item 11 on error summary sheet.

RAW SEQUENCE LISTING

DATE: 09/25/2003

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Input Set : A:\180.00020102.second.sub seq list.ST25.txt

Output Set: N:\CRF4\09252003\I813345B.raw

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73 Ser Arg Ser Gly Gly Met Val Lys Ser Asn Phe Val Pro Thr Asn Val
74 20 25 30
77 Gly Ser Lys Ala Phe
78 35
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83 <212> TYPE: PRT
84 <213> ORGANISM: Artificial Sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: peptide
89 <400> SEQUENCE: 4
91 Ala Cys Asp Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
92 1 5 10 15
95 Ser Arg Ser Gly Gly Val Val Lys Asn Asn Phe Val Pro Thr Asn Val
96 20 25 30
99 Gly Ser Lys Ala Phe
100 35
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 37
105 <212> TYPE: PRT
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: peptide
111 <400> SEQUENCE: 5
113 Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
114 1 5 10 15
117 Ser Arg Ser Gly Gly Val Val Lys Asp Asn Phe Val Pro Thr Asn Val
118 20 25 30
121 Gly Ser Lys Ala Phe
122 35
125 <210> SEQ ID NO: 6
126 <211> LENGTH: 37
127 <212> TYPE: PRT
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: peptide
133 <400> SEQUENCE: 6
135 Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
136 1 5 10 15
139 Ser Arg Ser Gly Gly Val Val Lys Asp Asn Phe Val Pro Thr Asn Val
140 20 25 30
143 Gly Ser Glu Ala Phe
144 35
147 <210> SEQ ID NO: 7
148 <211> LENGTH: 37
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/813,345B

DATE: 09/25/2003

TIME: 14:13:04

Input Set : A:\180.00020102.second.sub seq list.ST25.txt

Output Set: N:\CRF4\09252003\I813345B.raw

153 <223> OTHER INFORMATION: peptide
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161 Ser Arg Ser Gly Gly Val Gly Lys Asn Asn Phe Val Pro Thr Asn Val
162 20 25 30
165 Gly Ser Lys Ala Phe
166 35
169 <210> SEQ ID NO: 8
170 <211> LENGTH: 37
171 <212> TYPE: PRT
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: peptide
177 <400> SEQUENCE: 8
179 Gly Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
180 1 5 10 15
183 Ser Arg Ser Gly Gly Met Val Lys Ser Asn Phe Val Pro Thr Asn Val
184 20 25 30
187 Gly Ser Glu Ala Phe
188 35
191 <210> SEQ ID NO: 9
192 <211> LENGTH: 37
193 <212> TYPE: PRT
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: peptide
199 <400> SEQUENCE: 9
201 Ser Cys Asn Thr Ala Thr Cys Val Thr His Arg Leu Ala Gly Leu Leu
202 1 5 10 15
205 Ser Arg Ser Gly Gly Met Val Lys Ser Asn Phe Val Pro Thr Asp Val
206 20 25 30
209 Gly Ser Glu Ala Phe
210 35
213 <210> SEQ ID NO: 10
214 <211> LENGTH: 37
215 <212> TYPE: PRT
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: peptide
221 <400> SEQUENCE: 10
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227 Ser Arg Ser Gly Gly Val Val Lys Ser Asn Phe Val Pro Thr Asn Val
228 20 25 30
231 Gly Ser Gln Ala Phe
232 35
235 <210> SEQ ID NO: 11
236 <211> LENGTH: 37

RAW SEQUENCE LISTING

DATE: 09/25/2003

PATENT APPLICATION: US/09/813,345B

TIME: 14:13:04

Input Set : A:\180.00020102.second.sub seq list.ST25.txt

Output Set: N:\CRF4\09252003\I813345B.raw

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240 <220> FEATURE:
241 <223> OTHER INFORMATION: peptide
243 <400> SEQUENCE: 11
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249 Ser Arg Ser Gly Gly Val Val Lys Ser Asn Phe Val Pro Thr Asn Val
250 20 25 30
253 Gly Ser Glu Ala Phe
254 35
257 <210> SEQ ID NO: 12
258 <211> LENGTH: 37
259 <212> TYPE: PRT
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: peptide
265 <400> SEQUENCE: 12
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271 Asn Arg Ser Gly Gly Met Gly Asn Ser Asn Phe Val Pro Thr Asn Val
272 20 25 30
275 Gly Ala Lys Ala Phe
276 35
279 <210> SEQ ID NO: 13
280 <211> LENGTH: 37
281 <212> TYPE: PRT
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
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287 <400> SEQUENCE: 13
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298 35
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304 <213> ORGANISM: Artificial Sequence
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307 <223> OTHER INFORMATION: peptide
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312 1 5 10 15
315 Arg Phe Gly Thr Cys Thr Val Gln Lys Leu Ala His Gln Ile Tyr Gln
316 20 25 30
319 Phe Thr Asp Lys Asp Lys Asp Asn Val Ala Pro Arg Ser Lys Ile Ser

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DATE: 09/25/2003

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TIME: 14:13:04

Input Set : A:\180.00020102.second.sub seq list.ST25.txt

Output Set: N:\CRF4\09252003\I813345B.raw

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323 Pro Gln Gly Tyr
324          50
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328 <211> LENGTH: 50
329 <212> TYPE: PRT
330 <213> ORGANISM: Artificial Sequence
332 <220> FEATURE:
333 <223> OTHER INFORMATION: peptide
335 <400> SEQUENCE: 15
337 Tyr Arg Gln Ser Met Asn Gln Gly Ser Arg Ser Thr Gly Cys Arg Phe
338 1          5          10          15
341 Gly Thr Cys Thr Met Gln Lys Leu Ala His Gln Ile Tyr Gln Phe Thr
342          20          25          30
345 Asp Lys Asp Lys Asp Gly Met Ala Pro Arg Asn Lys Ile Ser Pro Gln
346          35          40          45
349 Gly Tyr
350          50
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355 <212> TYPE: PRT
356 <213> ORGANISM: Artificial Sequence
358 <220> FEATURE:
359 <223> OTHER INFORMATION: peptide
361 <400> SEQUENCE: 16
363 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
364 1          5          10          15
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368          20          25          30
371 Gly Ser Asn Thr Tyr
372          35
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376 <211> LENGTH: 37
377 <212> TYPE: PRT
378 <213> ORGANISM: Artificial Sequence
380 <220> FEATURE:
381 <223> OTHER INFORMATION: peptide
383 <400> SEQUENCE: 17
385 Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu
386 1          5          10          15
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390          20          25          30
393 Gly Ser Asn Thr Tyr
394          35
397 <210> SEQ ID NO: 18
398 <211> LENGTH: 30
399 <212> TYPE: PRT
400 <213> ORGANISM: Artificial Sequence
402 <220> FEATURE:

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The type of errors shown exist throughout
the Sequence Listing. Please check subsequent
sequences for similar errors.

VERIFICATION SUMMARY

DATE: 09/25/2003

PATENT APPLICATION: US/09/813,345B

TIME: 14:13:05

Input Set : A:\180.00020102.second.sub seq list.ST25.txt

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